

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	209	(vertical adj2 surface adj2 laser or vcsel) with (monolithical\$4 or integrated) and etch\$3 and pump\$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 19:21
L9	68	(vertical adj2 surface adj2 laser or vcsel) with (monolithical\$4 or integrated) same pump\$3 and etch\$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 19:22
L10	643	(GAAS or Gallium adj arsenide) near4 transparent	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 19:56
L11	99	vcsel and current with oxidized and jewell	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 20:34
L12	59	(jack near2 jewell).in. and vcsel	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 20:35
L13	330	vcsel and (trenches or hole) with contact	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 20:39
L14	276	vcsel and (trenches or hole) with contact and etch \$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 20:40
L15	13	vcsel and (trenches or hole) with contact and etch \$3 and optically adj pumped	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 20:40
S1	2	"US 20070217463"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/03/30 22:10
S2	9	((("2003007538") or ("2002075929")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/30 22:13

S3	4	((("20030007538") or ("20020075929")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/30 22:13
S4	1592	(372/50.1,50.124).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 01:34
S5	116	S4 and optically adj2 pumped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 01:35
S6	13	("20020001328"   "20020075935"   "20030179802"   "20040042523"   "20040131101"   "20040141538"   "20040208217"   "20050169340"   "20050226302"   "20060104327"   "6285704"   "6947460"   "7023894").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 02:05
S7	9	("20020001328"   "20020075935"   "5038356"   "5461637"   "5747366"   "5956362"   "6535537"   "6542530"   "6778582").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 02:31
S8	4	("4897444"   "5448581"   "5648979"   "5748661"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 02:31
S9	10	("4380076"   "5131002"   "5212701"   "5212706"   "5231642"   "5548610"   "5748653"   "5796771"   "5991318"   "6535537"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 02:35
S10	34	("5796771").URPN.	USPAT	OR	OFF	2008/03/31 02:38

S11	2	"6434180".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:17
S12	5	("5513202"   "5513204"   "5754578"   "5914976"   "6252896").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 10:31
S13	3	("5363390"   "5513204"   "5754578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 10:32
S14	20	("6434180").URPN.	USPAT	OR	OFF	2008/03/31 10:33
S15	1592	(372/50.1,50.124).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:45
S16	393	S15 and (trenches or groove)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:45
S17	14	(US-20030007538-\$ or US- 20070217463-\$ or US- 20060104327-\$ or US- 20050226302-\$ or US- 20050008056-\$ or US- 20040208217-\$ or US- 20020075929-\$ or US- 20020001328-\$).did. or (US-5796771-\$ or US- 6434180-\$ or US-6252896- \$ or US-5754578-\$ or US- 5513204-\$ or US-5914976- \$).did.	US-PGPUB; USPAT	OR	OFF	2008/03/31 10:50
S18	1	S17 and etch\$3 with stop \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:50
S19	1	S17 and etch\$3 adj2 stop \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:50

S20	1	S17 and etch\$3 adj2 stop \$4 and optically adj2 pumped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:56
S21	8	S15 and etch\$3 adj2 stop \$4 and optically adj2 pumped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 10:56
S22	16	vcSEL with optically adj2 pumped and etch\$3 adj2 stop\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 11:06
S23	50	(vertical adj2 surface adj2 laser or vcSEL) with pump \$3 and etch\$3 adj2 stop\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 11:11
S24	15	(cunningham).in. and vcSEL	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 13:43
S25	1592	(372/50.1,50.124).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 13:45
S26	62	S25 and (trench or groove) with contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 13:45
S27	311	S25 and etch\$3 with contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 14:52

S28	21	S25 and etch\$3 with contact and optically adj2 pump\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 14:53
S29	15	optically adj2 pumped with (vertical adj2 surface adj2 laser or vcsel) and (etch\$3 or trench or groove) with contact adj2 layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/31 15:43
S30	19	("20010030985"   "20020075935"   "4380076"   "4791646"   "5131002"   "5212701"   "5212706"   "5231642"   "5548610"   "5748653"   "5796771"   "5991318"   "6195381"   "6359920"   "6424669"   "6535537"   "6556610"   "6559949"   "6954479").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 16:00
S31	34	("5796771").URPN.	USPAT	OR	OFF	2008/03/31 16:49
S32	17	("20020001328"   "20020075935"   "20020146053"   "20040208217"   "20050031005"   "20060018354"   "20060104327"   "5513204"   "5748653"   "5796771"   "6434180"   "6535537"   "6553048"   "6636539"   "6647050"   "6714574"   "6954479").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 16:49
S33	10	("4380076"   "5131002"   "5212701"   "5212706"   "5231642"   "5548610"   "5748653"   "5796771"   "5991318"   "6535537").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 17:00
S34	13	external adj2 (cavity or resonator) same vcsel same crystal	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 17:45
S35	8	("5050179"   "5131002"   "5289485"   "5461637"   "5627853"   "5768302"   "6097742"   "6167068").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 18:25

S36	7	("6370168").URPN.	USPAT	OR	OFF	2008/03/31 18:28
S37	13	("20020110159"   "4578793"   "4747111"   "4955034"   "5007065"   "5052815"   "5148444"   "5177764"   "6167068"   "6285702"   "6370168"   "6393038"   "6574255"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 18:39
S38	1	"6370168".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 18:46
S39	15	("20020001328"   "20020075935"   "5748653"   "5796771"   "5991318"   "6285704"   "6327293"   "6347108"   "6424669"   "6535537"   "6553048"   "6580741"   "6711203"   "6714574"   "6735234").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/31 19:04
S40	3	("5363390"   "5513204"   "5754578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/03 11:38
S41	32	("5754578").URPN.	USPAT	OR	OFF	2008/04/03 11:38
S42	1595	(372/50.1,50.124).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 11:42
S43	196	S42 and contact adj layer with (etch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 11:42
S44	19	(vertical adj2 surface adj2 laser or vcsel) with (optically adj2 pumped) and etch\$3 with contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 11:59
S45	57	vcsel same pump\$3 and etch\$3 with contact adj2 layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 12:57
S46	1	"6258704".PN.	USPAT; USOCR	OR	OFF	2008/04/03 13:53

S47	2460	(372/70,75).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 13:57
S48	87	S47 and vcsel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 13:57
S49	34	("5796771").URPN.	USPAT	OR	OFF	2008/04/03 14:40
S50	40	S42 and etch\$3 adj2 stop with contact	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 15:55
S51	8	S42 and optically adj2 pump\$3 and etch\$3 adj2 stop\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/03 15:57
S52	4	(vertical adj2 surface adj2 laser or vcsel) same (optically adj2 pump\$3) same (monolithical\$4 or integrated) and etch\$4 adj2 stop	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 16:00
S53	117	(vertical adj2 surface adj2 laser or vcsel) with (monolithical\$4 or integrated) and etch\$4 adj2 stop	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 16:01
S54	115	S53 not S52	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 16:02
S55	3	"2002075929"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 16:09
S56	2	"20020075929"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/03 16:09

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